# BRUHAT BENGALURU MAHANAGARA PALIKE

## YELAHANKA ZONE

**NAME OF WORK : CONSTRUCTION OF CC ROAD AT ASHWINI HOSPITAL ROAD YELAHANKA IN WARD NO.01 OF YELAHANKA SUB-DIVISION**

| Sl. No. | Description of Item | Unit | No. | L | B | D | Qty. | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Estimate Cost Rs. | 9.00 | Lakhs |
| 1 | **Removing B.S. slab** of Drain and stacking (P No 25 / I N 5.32) | | | | | | | | |
| | for Drain | Sqm | | | | | | | |
| | | | 1 | 80.00 | 0.90 | | 72.00 | | |
| | | | | | | | **72.00** | 65.72 | **4731.84** |
| | Basic Rate | 62.00 | | | | | | | |
| | Area Weightage @ 6% | 3.72 | | | | | | | |
| | **Total** | **65.72** | | | | | | | |
| 2 | KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH Chapter 3 (P.142/I.19.1 ) | | | | | | | | |
| | Desilting for Drain | Cum | | | | | | | |
| | | | 2 | 80.00 | 0.60 | 0.80 | 76.80 | | |
| | | | | | | | **76.80** | 86.92 | **6675.46** |
| | Basic Rate | 82.00 | | | | | | | |
| | Area Weightage @ 6% | 4.92 | | | | | | | |
| | **Total** | **86.92** | | | | | | | |
| 3 | **Refixing stone slabs** of drains and pointing in C.M (1:3)(P.No.25/I.No.5.33) | | | | | | | | |
| | | Sqm | | | | | | | |
| | | | *70% of Qty Vide Item No.1* | | | | **50.40** | 80.56 | **4060.22** |
| | Basic Rate | 76.00 | | | | | | | |
| | Area Weightage @ 6% | 4.56 | | | | | | | |
| | **Total** | **80.56** | | | | | | | |
| 4 | Providing and fixing **RCC precast Slabs of 0.10 m thick of CC 1:2:4 with 20 mm** and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete | | | | | | | | |
| | | Sqm | | | | | | | |
| | | | *30% of Qty Vide Item No.1* | | | | **21.60** | 2100.00 | **45360.00** |
| | Data Rate | **2100.00** | | | | | | | |
| 5 | KSRRB M200-24:- dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces no exceeding 0.02 Cum in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 meters, stacking serviceable and unserviceable materials separately complete as per specifications. MORTH specifications. No. 202, (P.No. 138/ Item No. 18.47) | | | | | | | | |
| | | Cum | | | | | | | |

| Sl. No. | Description of Item | Unit | No. | L | B | D | Qty. | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | 1 | 100.00 | 3.20 | 0.20 | 64.00 | | |
| | | | | | | | **64.00** | 827.86 | **52983.04** |
| | Basic Rate | 781.00 | | | | | | | |
| | Area Weightage @ 6% | 46.86 | | | | | | | |
| | **Total** | **827.86** | | | | | | | |
| 6 | KSRB 2-1.1 : Earthwork in surface excavation in **ordinary soil** for **levelling and lowering** the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) / 2.3.1 (P.5/I.2.1 ) | | | | | | | | |
| | for Road | Cum | | | | | | | |
| | | | 1 | 100.00 | 4.50 | 0.30 | 135.00 | | |
| | | | | | | | **135.00** | 166.42 | **22466.70** |
| | Basic Rate | 157.00 | | | | | | | |
| | Area Weightage @ 6% | 9.42 | | | | | | | |
| | **Total** | **166.42** | | | | | | | |
| 7 | KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1) | | | | | | | | |
| | | Cum | | | | | | | |
| | | | | Qty Vide Item No.1 | | | **135.00** | 100.00 | **13500.00** |
| | Average Weight of Earth 1.28 | | | | | | | | |
| | Basic Rate Lead Charges for | 32.00 | | | | | | | |
| | Add loading and unloading Item | 68.00 | | | | | | | |
| | **Total** | **100.00** | | | | | | | |
| 8 | KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications Specification No.KBS 4.1, 4.2 (P.12/I.4.3) | | | | | | | | |
| | | Cum | | | | | | | |
| | for road | | 1 | 100.00 | 4.50 | 0.15 | 67.50 | | |
| | | | | | | | **67.50** | 5159.02 | **348233.85** |
| | Basic Rate | 4867.00 | | | | | | | |
| | Area Weightage @ 6% | 292.02 | | | | | | | |
| | **Total** | **5159.02** | | | | | | | |
| 9 | Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete **(RMC)** M20 for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, for raft foundation, column footing, main and secondary beams with all lead and lifts etc.,complete (exclusive of cost of steel and fabrication charges.) Page No.18 / Item No. 4.48) | | | | | | | | |
| | | Cum | | | | | | | |
| | | | 1 | 100.00 | 4.50 | 0.125 | 56.25 | | |
| | | | | | | | **56.25** | 6231.74 | **350535.38** |

| Sl. No. | Description of Item | Unit | No. | L | B | D | Qty. | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | Basic Rate | 5879.00 | | | | | | | |
| | Area Weightage @ 6% | 352.74 | | | | | | | |
| | **Total** | **6231.74** | | | | | | | |
| 10 | **Vaccum De-watering** with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift (P.177/ I.22.7) | | | | | | | | |
| | | Sqm | | | | | | | |
| | | | 1 | 100.00 | 4.50 | | 450.00 | | |
| | | | | | | | **450.00** | 95.40 | **42930.00** |
| | Basic Rate | 90.00 | | | | | | | |
| | Area Weightage @ 6% | 5.40 | | | | | | | |
| | **Total** | **95.40** | | | | | | | |
| 11 | Providing Groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine generator and HOM of machinery including cost of blade, coolant etc., including cleaning aof groove & providing sand and hot bitumen fillars and filler metal etc.,including cost of conveyance of all materials, labour,lead and lift charges and all the other incidental charges as per drawing and as per specifications, MORTH specification. (P.178/ I.22.8) | | | | | | | | |
| | | m | | | | | | | |
| | | | 14 | 4.50 | | | 63.00 | | |
| | | | | | | | **63.00** | 121.90 | **7679.70** |
| | Basic Rate | 115.00 | | | | | | | |
| | Area Weightage @ 6% | 6.90 | | | | | | | |
| | **Total** | **121.90** | | | | | | | |
| 12 | Miscellaneous and unforeseen charges | LS | | | | | | | **843.81** |
| | | | | | | | **Grand Total Amount** | | **900000.00** |

**( Rupees Nine Lakhs Only )**

**CERTIFICATE**

1) The site has been inspected and the work is found to be necessary.
2) The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle.
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

**Assistant Engineer**
**Ward No.01**

**Assistant Executive Engineer**
**Yelahanka Sub-Division**
**B.B.M.P**

**Executive Engineer**
**Yelahanka Division**
**B.B.M.P**

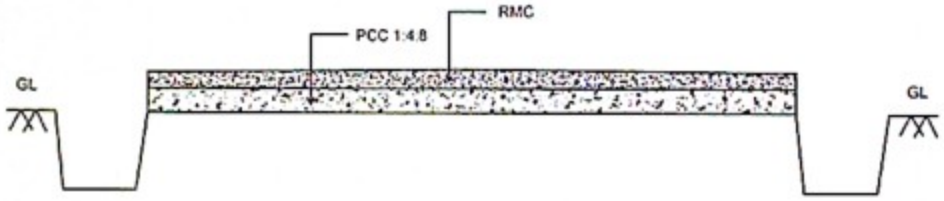
Administrative Sanction for Rs. 9.00 Lacs
Nine Lakhs only
is accorded under head P-1771-16-17
Registered as CE No. — Subject
to conditions contained in enclosed memo
No. EE/AA/34/16-17 Dt. 16.2.17

Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 9.00 Lacs
Rupees Nine Lakhs only
Under P-1771-2016-17
Registered as CE ( ) No. 9
Subject to conditions contained in
enclosed memo EE ( ) No. /9/
Dt. EE/TS/40/16-17
Dated 16.2.2017 Rs. 9.00 Lacs

Executive Engineer

NAME OF WORK : CONSTRUCTION OF CC ROAD AT ASHWINI HOSPITAL ROAD YELAHANKA IN WARD NO.01 OF YELAHANKA SUB-DIVISION

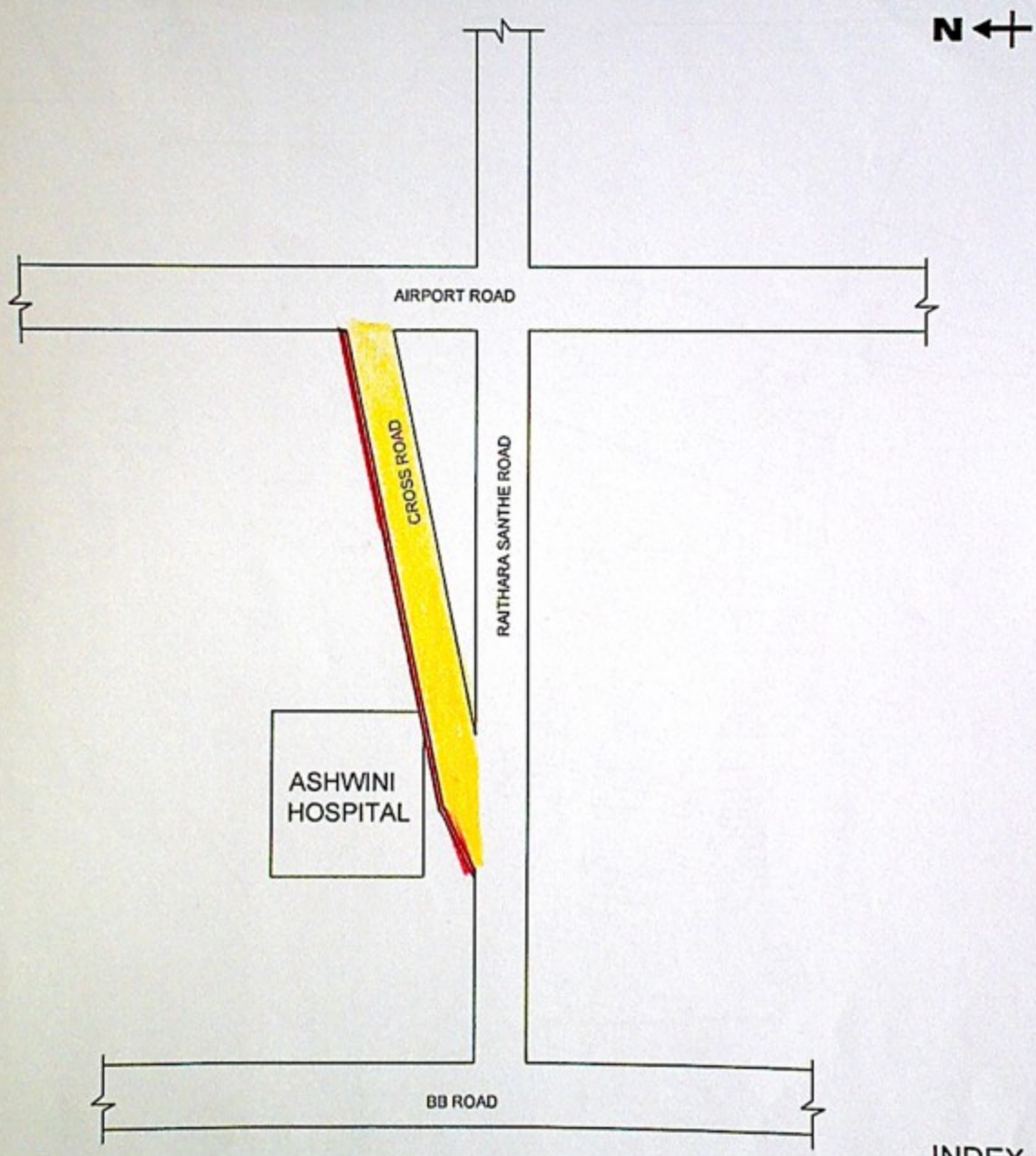



TYPICAL CROSS SECTION OF CC ROAD

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

NAME OF WORK : CONSTRUCTION OF CC ROAD AT ASHWINI HOSPITAL ROAD YELAHANKA IN WARD NO.01 OF YELAHANKA SUB-DIVISION

KEY : NOT TO SCALE




INDEX

- CC ROAD
- DESILTING

Assistant Engineer
Ward No.01
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P